



Clyrell RC5003 Provisional Data Sheet

Polypropylene, Random Copolymer

Product Description

Clyrell RC5003 is a developmental random copolymer Polypropylene manufactured using the Spheripol process. With its high gloss, excellent transparency and good flow, combined with its balance of rigidity and impact, this grade is suitable for injection molding. Potential end use applications include moulding of housewares and containers. It can also be evaluated for Injection Stretch Blow Moulding of bottles.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	High Clarity, Random Copolymer, Good Flow, High Gloss , Good Strength
Typical Customer Applications	Clear Containers, Housewares

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	13	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	11500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	300	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		5	kg-cm/cm
(-20 °C)		2	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	90	

Notes

Typical properties; not to be construed as specifications.